

ECONOMIC BOTANY

Devoted to Applied Botany and Plant Utilization

Founded by
Edmund H. Fulling

Publication of The Society for Economic Botany

VOLUME XV

1961

Published for The Society

by

THE NEW YORK BOTANICAL GARDEN

Printed by
Monumental Printing Company
Baltimore, Maryland



INDEX, VOLUME 15, 1961

Abbreviations: A. = abstract; Art. = article; B.R. = book review

- Advances in Agronomy, Vol. 12. A. G. Norman, ed. B.R. 192
- Advances in Applied Microbiology, Vol. II. W. W. Umbreit, Ed. B.R. 189
- Allen, S. W. and G. W. Sharpe. An Introduction to American Forestry. B.R. 274
- Annual Review of Plant Physiology, Vol. II. L. Machlis and W. R. Briggs, eds. B.R. 109
- Anonymous. Pasture and Range Plants, Section 6: Introduced Grasses and Legumes. B.R. 194
- Ascorbic Acid Content and Time of Ripening of Tomatoes. M. E. Clutter and E. V. Miller, Art. 218
- Ashwagandha—An Ancient Indian Drug. C. K. Atal and A. E. Schwarting Art. 256
- Atal, C. K. Effect of Gibberellin on the Fibers of Hemp. Art. 133
- Atal, C. K. and A. E. Schwarting. Ashwagandha—An Ancient Indian Drug. Art. 256
- Australian Environment, The. Commonwealth Scientific and Industrial Research Organization. B.R. 381
- Bamboo Mechanical Pulp for Manufacture of Chinese Ceremonial Paper. R. E. Perdue, Jr., C. J. Kraebel, and T. Kiang. Art. 161
- Beaumont, A. Diseases of Farm Crops. B.R. 186
- Beauty Salon, Tea Room, and Home-Brewed "Teas". A. 56
- Bennett, M. K. A World Map of Foodcrop Climates. B.R. 270
- Better Grassland Sward. A. Voisin. B.R. 270
- Bibliography of Eastern Asiatic Botany. Supplement I. E. H. Walker. B.R. 386
- Biological and Chemical Control of Plant and Animal Pests. L. P. Reitz. ed. B.R. 190
- Biology, Food, and People. P. C. Mangelsdorf. Art. 279
- Biology of Weeds, The. J. L. Harper, ed. B.R. 200
- Boom, B. K. Nederlandse Dendrologie. B.R. 186
- Bowers, C. G. Rhododendrons and Azaleas. B.R. 197
- Breslavets, L. B. Plants and X-Rays. B.R. 180
- Brief History of Grape Growing in the United States. A. Krochmal and W. Grierson. Art. 114
- Briggs, W. R. and L. Machlis, eds. Annual Review of Plant Physiology. Vol. II. B.R. 109
- Brooker, S. G. and R. C. Cooper. New Zealand Medicinal Plants. Art. 1
- Brush and Filling Fibers from Bamboo. R. E. Perdue, Jr., C. J. Kraebel, C. Yang. Art. 156
- Buchu, a New Cultivated Crop in South Africa. H. S. Gentry. Art. 326
- Call, T. G. and E. B. Fischer. Extractive Studies of the Roots of *Pteryxia terebinthina* var. *terebinthina* and the Isolation of Pteryxin. Art. 104
- Casey, James P. Pulp and Paper: Chemistry and Chemical Technology, Vol. I: Pulp and Bleaching. B.R. 384
- Cashew's Brighter Future, The. J. F. Morton. Art. 57
- Chancellor, R. J. Identification of Seedlings of Common Weeds. B.R. 192
- Chemical and Natural Control of Pests. E. R. de Ong. B. R. 270
- Chemistry and Technology of Fertilizers, The. V. Sauchelli. B.R. 198
- Clutter, M. E. and E. V. Miller. Ascorbic Acid Content and Time of Ripening of Tomatoes. Art. 218
- Commercial Foreign Woods on the American Market. D. A. Kribs. B.R. 188
- Commonwealth Scientific and Industrial Research Organization. The Australian Environment. B.R. 381
- Compendium of Plant Diseases. B.R. 184
- Constitution of The Society for Economic Botany 376
- Coon, Nelson. Using Wayside Plants. B.R. 108
- Cooper, R. C. and S. G. Brooker. New Zealand Medicinal Plants. Art. 1
- Corn's Evolution and its Significance for Breeding. W. C. Galinat. Art. 320
- Cultivated Palms. B.R. 191
- Cultural Factors in Food Consumption: An Example from India. E. B. Harper. Art. 289
- Creech, J. L. and R. E. Perdue, Jr., Quadrangular Bamboo. Art. 87
- "De China" A. 112
- De Feo, J. J., H. W. Youngken, Jr., D.P.N. Tsao, and J. A. Rosecrans. A Note on the Biological Activity of Root Extracts from *Pleiocarpa mutica* Benth. (Apocynaceae). Art. 99
- Decorative Trees and Shrubs. H. L. Edin, trans. B.R. 111
- de Ong, E. R. Chemical and Natural Control of Pests. B.R. 270
- Developments in Industrial Microbiology, Vol. I. B. M. Miller, ed. B.R. 272

Diseases of Farm Crops. A. Beaumont. B.R.	186	Freezing Preservation of Vegetables, The. M. A. Joslyn. Art.	347
Dodge, B. S. Plants that Changed the World. B.R.	385	Fruits for Southern Florida. D. Sturrock. B.R.	107
Drogenkunde. H. A. Hoppe. B.R.	379	Galinat, W. C. Corn's Evolution and its Significance for Breeding. Art.	320
Ecology of Soil Fungi, The. D. Parkinson and J. S. Waid, eds. B.R.	272	Gamma Radiation Effects on Fruits and Vegetables. D. K. Salunkhe. Art.	28
Economic Botany as an Advanced Science Course in Secondary Schools. G. Uhe, Jr. Art.	237	Gause, G. F. The Search for New Antibiotics. Problems and Perspectives. B.R.	203
Economic Botany of the Paulownias, The. S. Hu. Art.	11	Gentry, H. S. Buchu, a New Cultivated Crop in South Africa. Art.	326
Edin, H. L., trans. Decorative Trees and Shrubs. B.R.	111	Grass Productivity. A. Voisin. B.R.	110
Effect of Gibberellin on the Fibers of Hemp. C. K. Atal. Art.	133	Grierson, W. and A. Krochmal. Brief History of Grape Growing in the United States. Art.	114
Esdorn, Ilse. Die Nutzpflanzen der Tropen und Subtropen der Weltwirtschaft. B.R.	203	Guide to British Hardwoods. W. B. R. Laidlaw. B.R.	185
Experiments in Preserving and Revitalizing Pine, Onion, and Okra Seeds. S. A. Kaloyereas, W. Mann, Jr., and J. C. Miller. Art.	213	Grasses, The: Earth's Green Wealth. A. C. Moore. B.R.	193
Extractive Studies of the Roots of <i>Pteryxia terebinthina</i> var. <i>terebinthina</i> and the Isolation of Pteryxin. T. G. Call and E. B. Fischer. Art.	104	Gunther, F. A. and L. R. Jeppson. Modern Insecticides and World Food Production. B.R.	273
Eyde, R. H., R. J. Naskali, P. Huang, and R. A. Popham. Relationship between Physical Characteristics and Milling Score of Kernels of Soft Wheat Varieties. Art.	140	Hadfield, J. W. Handbook of New Zealand Agriculture. B.R.	271
Fats and Oils: An Outline of their Chemistry and Technology. H. G. Kirschenbauer. B.R.	380	Handbook of New Zealand Agriculture. J. W. Hadfield. B.R.	271
Fenske, C. S. and M. E. Wall. Steroidal Sapogenins. LXI. Steroidal Sapogenin Content of Seeds. Art.	131	Harper, E. B. Cultural Factors in Food Consumption: An Example from India. Art.	289
Fergus, C. L. Illustrated Genera of Wood Decay Fungi. B.R.	194	Harper, J. L., ed. The Biology of Weeds. B.R.	200
Fischer, E. B. and T. G. Call. Extractive Studies of the Roots of <i>Pteryxia terebinthina</i> var. <i>terebinthina</i> and the Isolation of Pteryxin. Art.	104	Heiser, C. B., Jr. and J. Soria V. A Statistical Study of Relationships of Certain Species of the <i>Solanum nigrum</i> Complex. Art.	245
Folk Uses and Commercial Exploitation of Aloe Leaf Pulp. J. F. Morton. Art.	311	Herbicides and the Soil. E. K. Woodford and G. R. Sagar, eds. B.R.	379
Food and Agricultural Organization of the United Nations. Yearbook of Forest Products Statistics, 1960. B.R.	387	Hoppe, H. A. Drogenkunde. B.R.	379
Forage Management in the Northcentral Area. D. Smith. B.R.	182	Horticultural Pests: Detection and Control. G. F. Wilson. B.R.	198
Foss, O. Politics and Grass: The Administration of Grazing on the Public Domain. B.R.	382	Hu, S. The Economic Botany of the Paulownias. Art.	11
Fourth International Conference on Plant Growth Regulations. Plant Growth Regulation. B.R.	380	Huang, P., R. A. Popham, R. H. Eyde, R. J. Naskali. Relationship between Physical Characteristics and Milling Score of Kernels of Soft Wheat Varieties. Art.	140
Freeze-Drying of Pollens, The. J. R. King. Art.	91	Identification of Seedlings of Common Weeds. R. J. Chancellor. B.R.	192
		Illustrated Genera of Wood Decay Fungi. C. L. Fergus. B.R.	194
		Introduction to American Forestry. An. S. W. Allen and G. W. Sharpe. B.R.	274
		Isely, D. Seed Technology. Art.	332
		Isely, D. Weed Identification and Control in the North Central States. B.R.	385
		Iwatsuki, Z. and T. Kodama. Mosses in Japanese Gardens. Art.	264

- Joslyn, M. A. The Freezing Preservation of Vegetables. Art. 347
- Kaloyereas, S. A., W. Mann, Jr., and J. C. Miller. Experiments in Preserving and Revitalizing Pine, Onion, and Okra Seeds. Art. 213
- Kennard, W. C. and H. F. Winters. Some Fruits and Nuts for the Tropics. B.R. 109
- Kiang, T., R. E. Perdue, Jr. and C. J. Kraebel. Bamboo Mechanical Pulp for Manufacture of Chinese Ceremonial Paper. Art. 161
- King, J. R. The Freeze-Drying of Pollens. Art. 91
- Kingsbury, J. M. Knowledge of Poisonous Plants in the U. S.—Brief History and Conclusions. Art. 119
- Kirschenbauer, H. G. Fats and Oils: An Outline of their Chemistry and Technology. B.R. 380
- Knowledge of Poisonous Plants in the U. S.—Brief History and Conclusions. J. M. Kingsbury. Art. 119
- Kodama, T. and Z. Iwatsuki. Mosses in Japanese Gardens. Art. 264
- Kribs, D. A. Commercial Foreign Woods on the American Market. B.R. 188
- Kraebel, C. J., T. Kiang, R. E. Perdue, Jr. Bamboo Mechanical Pulp for Manufacture of Chinese Ceremonial Paper. Art. 161
- Kraebel, C. J., C. Yang, and R. E. Perdue, Jr. Brush and Filling Fibers from Bamboo. Art. 156
- Kraebel, C. J. and R. E. Perdue, Jr. The Rice-Paper Plant—*Tetrapanax papyrifera* (Hook.) Koch. Art. 165
- Krochmal, A. and W. Grierson. Brief History of Grape Growing in the United States. Art. 114
- Laidlaw, W. B. R. Guide to British Hardwoods. B.R. 185
- LaPorte, J. Semillas y Plantulas de las Cruciferas Cultivadas en la Argentina. B.R. 180
- Life Members and Patrons of The Society for Economic Botany 388
- Light and Plant Growth. R. van der Veen and G. Meijer. B.R. 276
- Loblolly Pine; its Use, Ecology, Regeneration, Protection, Growth and Management. W. G. Wahlenberg. B.R. 199
- Machlis, L. and W. R. Briggs, eds. Annual Review of Plant Physiology. Vol. II. B.R. 109
- Mahony, F. et al. Yam Cultivation in the Trust Territory. B.R. 181
- Mangelsdorf, P. C. Biology, Food, and People. Art. 279
- Mango, The: Botany, Cultivation, and Utilization. L. B. Singh. B.R. 184
- Mann, W., Jr., J. C. Miller, and S. A. Kaloyereas Experiments in Preserving and Revitalizing Pine, Onion, and Okra Seeds. Art. 213
- Mansfield, R. Vorläufiges Verzeichnis Landwirtschaftlich oder Gärtnerisch Kultivierter Pflanzenarten. B.R. 202
- Medicinal Plants of the Arid Zones. A. 10
- Miller, B. M., ed. Developments in Industrial Microbiology Vol. I. B.R. 272
- Miller, E. V. and M. E. Clutter. Ascorbic Acid Content and Time of Ripening of Tomatoes. Art. 218
- Miller, J. C., S. A. Kaloyereas, and W. Mann, Jr. Experiments in Preserving and Revitalizing Pine, Onion, and Okra Seeds. Art. 213
- Modern Insecticides and World Food Production. F. A. Günther and L. R. Jeppson. B.R. 273
- Moore, A. C. The Grasses: Earth's Green Wealth. B.R. 193
- Morton, J. F. The Cashew's Brighter Future. Art. 57
- Morton, J. F. Folk Uses and Commercial Exploitation of Aloe Leaf Pulp. Art. 311
- Mosses in Japanese Gardens. Z. Iwatsuki and T. Kodama. Art. 264
- Naskali, R. J., P. Huang, R. A. Popham, and R. H. Eyde. Relationship between Physical Characteristics and Milling Score of Kernels of Soft Wheat Varieties. Art. 140
- Natural Wealth of Tropical American Forests. L. Williams. Art. 223
- Nederlandse Dendrologie. B. K. Boom. B.R. 186
- New Zealand Medicinal Plants. S. G. Brooker and R. C. Cooper. Art. 1
- News of The Society 113
- Norman, A. G. Advances in Agronomy. Vol. 12. B.R. 192
- Note on the Biological Activity of Root Extracts from *Pleiocarpa mutica* Benth. (Apocynaceae). A. D. P. N. Tsao, J. A. Rosecrans, J. J. DeFeo, and H. W. Youngken, Jr. Art. 99
- Nutzpflanzen der Tropen und Subtropen der Weltwirtschaft. Die. I. Esdorn. B.R. 203
- Origin of Cultivated Barleys, The: A Discussion. G. Staudt. Art. 205
- Parkinson, D. and J. S. Waid, eds. The Ecology of Soil Fungi. B.R. 272
- Pasture and Range Plants. Section 6: Introduced Grasses and Legumes. Anonymous. B.R. 194
- Perdue, R. E., Jr. and J. L. Creech. Quadrangular Bamboo. Art. 87

- Perdue, R. E., Jr., C. J. Kraebel, and T. K. ang. Bamboo Mechanical Pulp for Manufacture of Chinese Ceremonial Paper. Art. 161
- Perdue, R. E., Jr., C. J. Kraebel, and C. Yang. Brush and Filling Fibers from Bamboo. Art. 156
- Perdue, R. E., Jr. and C. J. Kraebel. The Rice-Paper Plant—*Tetrapanax papyriferum* (Hook.) Koch. Art. 165
- Perry, Lily M. Problems in the Compilation of a Native Medicinal Flora of Southeastern Asia. Art. 241
- Pirie, N. W. Progress in Biochemical Engineering Broadens our Choice of Crop Plants. Art. 302
- Plant Disease Handbook. C. Westcott. B.R. 196
- Plant Growth Regulation. Fourth International Conference on Plant Growth Regulations. B.R. 380
- Plants and X-Rays. L. B. Breslavets. B.R. 180
- Plants that Changed the World. B. S. Dodge. B.R. 385
- Politics and Grass: The Administration of Grazing on the Public Domain. P. O. Foss. B.R. 382
- Popham, R. A., R. H. Eyde, R. J. Naskali, and P. Huang. Relationship between Physical Characteristics and Milling Score of Kernels of Soft Wheat Varieties. Art. 140
- Problems in the Compilation of a Native Medicinal Flora of Southeastern Asia. L. M. Perry. Art. 241
- Progress in Biochemical Engineering Broadens our Choice of Crop Plants. N. W. Pirie. Art. 302
- Pulp and Paper: Chemistry and Chemical Technology. Vol. 1: Pulping and Bleaching. J. P. Casey. B.R. 384
- Quadrangular Bamboo. R. E. Perdue, Jr., and J. L. Creech. Art. 87
- Reitz, L. P., ed. Biological and Chemical Control of Plant and Animal Pests. B.R. 190
- Relationship between Physical Characteristics and Milling Score of Kernels of Soft Wheat Varieties. R. A. Popham, R. H. Eyde, R. J. Naskali, and P. Huang. Art. 140
- Rhododendrons and Azaleas. C. G. Bowers. B.R. 197
- Rice-Paper Plant, The—*Tetrapanax papyriferum* (Hook.) Koch. R. E. Perdue, Jr. and C. J. Kraebel. Art. 165
- Roberts, L. M. The Rockefeller Foundation Program in the Agricultural Sciences, Art. 296
- Rockefeller Foundation Program in the Agricultural Sciences, The. L. M. Roberts. Art. 296
- Rosecrans, J. A., J. J. DeFeo, H. W. Youngken, Jr., and D. P. N. Tsao. A Note on the Biological Activity of Root Extracts from *Pleiocarpa mutica* Benth. (Apocynaceae). Art. 99
- Salunkhe, D. K. Gamma Radiation Effects on Fruits and Vegetables. Art. 28
- Sauchelli, V. The Chemistry and Technology of Fertilizers. B.R. 198
- Schwartz, A. E. and C. K. Atal. Ashwagandha—An Ancient Indian Drug. Art. 256
- Search for New Antibiotics, The. Problems and Perspectives. G. F. Gause. B.R. 203
- Seed Technology. D. Isley. Art. 332
- Semillas y Plantulas de las Cruciferas Cultivadas en la Argentina. J. La Porte. B.R. 180
- Singh, L. B. The Mango: Botany, Cultivation, and Utilization. B.R. 184
- Smith, D. Forage Management in the Northcentral Area. B.R. 182
- Soil, Grass and Cancer. A. Voisin. B.R. 110
- Some Fruits and Nuts for the Tropics. W. C. Kennard and H. F. Winters. B.R. 109
- Soria, V., J. and C. B. Heiser, Jr. A Statistical Study of Relationships of Certain Species of the *Solanum nigrum* Complex. Art. 245
- Statistical Study of Relationships of Certain Species of the *Solanum nigrum* Complex. A. C. B. Heiser, Jr. and J. Soria V. Art. 245
- Staudt, G. The Origin of Cultivated Barleys: A Discussion. Art. 205
- Steroidal Sapogenins. LVIII. Steroidal Sapogenins from the Joshua Tree. A. M. Woodbury, M. E. Wall, and J. J. Willaman. Art. 79
- Steroidal Sapogenins. LXI. Steroidal Sapogenin Content of Seeds. M. E. Wall and C. S. Fenske. Art. 131
- Studies on the Physiology of Bamboo with Reference to Practical Application. K. Ueda. B.R. 383
- Sturrock, D. Fruits for Southern Florida. B.R. 107
- Tsao, D. P. N., J. A. Rosecrans, J. J. DeFeo, and H. W. Youngken, Jr. A Note on the Biological Activity of Root Extracts from *Pleiocarpa mutica* Benth. (Apocynaceae). Art. 99
- Ueda, K. Studies on the Physiology of Bamboo with Reference to Practical Application. B.R. 383
- Uhe, G., Jr. Economic Botany as an Advanced Science Course in Secondary Schools. Art. 237

- Umbreit, W. W., ed. *Advances in Applied Microbiology*. Vol. II. B.R. 189
- Using Wayside Plants. N. Coon. B.R. 108
- van der Veen, R. and G. Meijer. *Light and Plant Growth*. B.R. 276
- Voisin, A. *Better Grassland Sward*. B.R. 270
- Voisin, A. *Grass Productivity*. B.R. 110
- Voisin, A. *Soil, Grass and Cancer*. B.R. 110
- Vorläufiges Verzeichnis Landwirtschaftlich oder Gärtnerisch Kultivierter Pflanzenarten. R. Mansfield. B.R. 202
- Wahlenberg, W. G. *Loblolly Pine: its Use, Ecology, Regeneration, Protection, Growth and Management*. B.R. 199
- Walker, E. H. *A Bibliography of Eastern Asiatic Botany. Supplement I*. B.R. 386
- Wall, M. E. and C. S. Fenske. *Steroidal Sapogenins. LXI. Steroidal Sapogenin Content of Seeds*. Art. 131
- Wall, M. E., J. J. Willaman, and A. M. Woodbury. *Steroidal Sapogenins. LVIII. Steroidal Sapogenins from the Joshua Tree*. Art. 79
- Willaman, J. J., A. M. Woodbury, and M. E. Wall. *Steroidal Sapogenins. LVIII. Steroidal Sapogenins from the Joshua Tree*. Art. 79
- Weed Control Handbook. E. K. Woodford, ed. B.R. 201
- Weed Identification and Control in the North Central States. D. Isely. B.R. 385
- Weeds. J. N. Whittet. B.R. 182
- Westcott, C. *Plant Disease Handbook*. B.R. 196
- Whittet, J. N. *Weeds*. B.R. 182
- Williams, L. *Natural Wealth of Tropical American Forests*. Art. 223
- Wilson, G. F. *Horticultural Pests: Detection and Control*. B.R. 198
- Winters, H. F. and W. C. Kennard. *Some Fruits and Nuts for the Tropics*. B.R. 109
- Woodbury, A. M., M. E. Wall, and J. J. Willaman. *Steroidal Sapogenins. LVIII. Steroidal Sapogenins from the Joshua Tree*. Art. 79
- Woodford, E. K. and Sagar, G. R., eds. *Herbicides and the Soil*. B.R. 379
- Woodford, E. K., ed. *Weed Control Handbook*. B.R. 201
- World Map of Foodcrop Climates. A. M. K. Bennett. B.R. 270
- Yam Cultivation in the Trust Territory. F. Mahony et al. B.R. 181
- Yang, C., R. E. Perdue, Jr., and C. J. Kraebel. *Brush and Filling Fibers from Bamboo*. Art. 156
- Yearbook of Forest Products Statistics, 1960. Food and Agricultural Organization of the United Nations. B.R. 387
- Youngken, H. W., Jr., D. P. N. Tsao, J. A. Rosecrans, and J. J. DeFeo. *A Note on the Biological Activity of Root Extracts from *Pleiocarpa mu-tica* Benth. (Apocynaceae)*. Art. 99



CONTENTS

New Zealand Medicinal Plants	1	Experiments in Preserving and Revitalizing	
The Economic Botany of the Paulownias ..	11	Pine, Onion, and Okra Seeds	213
Gamma Radiation Effects on Fruits and		Ascorbic Acid Content and Time of Ripen-	
Vegetables	28	ing of Tomatoes	218
The Cashew's Brighter Future	57	Natural Wealth of Tropical American	
Steroidal Sapogenins. LVIII. Steroidal		Forests	223
Sapogenins from the Joshua Tree	79	Economic Botany as an Advanced Science	
Quadrangular Bamboo	87	Course in Secondary Schools	237
The Freeze-drying of Pollens	91	Problems in the Compilation of a Native	
A Note on the Biological Activity of Root		Medicinal Flora of Southeastern Asia	241
Extracts from <i>Pleiocarpa mutica</i>		A Statistical Study of Relationships of	
Benth. (Apocynaceae)	99	Certain Species of the <i>Solanum</i>	
Extractive Studies of the Roots of <i>Pteryxia</i>		nigrum Complex	245
<i>terebinthina</i> var. <i>terebinthina</i> and the		Ashwagandha—An Ancient Indian Drug ..	256
Isolation of Pterysin	104	Mosses in Japanese Gardens	264
News of The Society	113	Biology, Food, and People	279
Brief History of Grape Growing in the		Cultural Factors in Food Consumption: An	
United States	114	Example from India	289
Knowledge of Poisonous Plants in the U. S.		The Rockefeller Foundation Program in the	
—Brief History and Conclusions	119	Agricultural Sciences	296
Steroidal Sapogenins. LXI. Steroidal Sapo-		Progress in Biochemical Engineering Broad-	
genin Content of Seeds	131	ens Our Choice of Crop Plants	302
Effect of Gibberellin on the Fibers of Hemp	133	Folk Uses and Commercial Exploitation of	
Relationship between Physical Characteris-		Aloe Pulp	311
tics and Milling Score of Kernels of		Corn's Evolution and its Significance for	
Soft Wheat Varieties	140	Breeding	320
Brush and Filling Fibers from Bamboo	156	Buchu, a New Cultivated Crop in South	
Bamboo Mechanical Pulp for Manufacture		Africa	326
of Chinese Ceremonial Paper	161	Seed Technology	332
The Rice-Paper Plant— <i>Tetrapanax papyri-</i>		The Freezing Preservation of Vegetables ..	347
ferum (Hook.) Koch	165	Constitution of The Society for Economic	
The Origin of Cultivated Barleys: A Dis-		Botany	388
cussion	205		

UTILIZATION ABSTRACTS

Medicinal Plants of the Arid Zones	10	Brewed Teas	56
Beauty Salon, Tea Room, and Home-		De China	112

BOOK REVIEWS

Fruits for Southern Florida	107	The Mango: Botany, Cultivation and Utili-	
Using Wayside Plants	108	zation	184
Annual Review of Plant Physiology Vol. II	109	Guide to British Hardwoods	185
Some Fruits and Nuts for the Tropics	109	Diseases of Farm Crops	186
Grass Productivity	110	Nederlandse Dendrologie	186
Soil, Grass and Cancer	110	Commercial Foreign Woods on the Amer-	
Decorative Trees and Shrubs	111	ican Market	188
Semillas y Plantulas de las Cruciferas		Advances in Applied Microbiology, Vol. II	189
Cultivadas en la Argentina	180	Biological and Chemical Control of Plant	
Plants and X-rays	180	and Animal Pests	190
Yam Cultivation in the Trust Territory	181	Cultivated Palms	191
Weeds	182	Advances in Agronomy, Vol. 12	192
Forage Management in the Northcentral		Identification of Seedlings of Common	
Area	183	Weeds	192
Compendium of Plant Diseases	184	The Grasses: Earth's Green Wealth	193

Pasture and Range Plants. Section 6: Introduced Grasses and Legumes	194	Developments in Industrial Microbiology, Vol. 1	272
Illustrated Genera of Wood Decay Fungi	194	Modern Insecticides and World Food Production	273
Plant Disease Handbook	196	An Introduction to American Forestry	274
Rhododendrons and Azaleas	197	Light and Plant Growth	276
The Chemistry and Technology of Fertilizers	198	Herbicides and the Soil	379
Horticultural Pests: Detection and Control	198	Drogenkunde	379
Loblolly Pine: Its Use, Ecology, Regeneration, Protection, Growth and Management	199	Plant Growth Regulation	380
The Biology of Weeds	200	Fats and Oils: An Outline of their Chemistry and Technology	380
Weed Control Handbook	201	The Australian Environment	381
Vorläufiges, Verzeichnis Landwirtschaftlich oder Gärtnerisch Kultivierter Pflanzenarten	202	Politics and Grass: The Administration of Grazing on the Public Domain	382
Die Nutzpflanzen der Tropen und Subtropen der Weltwirtschaft	203	Studies on the Physiology of Bamboo with Reference to Practical Application	383
The Search for New Antibiotics: Problems and Perspectives	203	Pulp and Paper: Chemistry and Chemical Technology. Vol. 1: Pulping and Bleaching	384
A World Map of Foodcrop Climates	270	Weed Identification and Control in the North Central States	385
Chemical and Natural Control of Pests	270	Plants that Changed the World	385
Better Grassland Sward	270	A Bibliography of Eastern Asiatic Botany. Supplement I.	386
Handbook of New Zealand Agriculture	271	Yearbook of Forest Products Statistics, 1960	387
The Ecology of Soil Fungi	272		

